



Service Ticket

9191882

Field Estimate

Client Name Extraction Oil			Well Name Rubyanna 13NB - 31W		Location Sec 13:T6N:R67W		Job Date May 06, 2014	
Address 1888 Sherman Street, Suite 200			Client Representative Brandon Patch		State CO		Pricing Area Area U	
City Denver			State CO		Postal Code 80203		Drilling Company H&P Drilling Inc.	
Rig No. 319			AFE/PO # 14-20 / 9208		Service Point Fort Lupton		Call Sheet 1041775	

District	Service, Equipment & Material Type	Disc	13	Code	Quantity/Unit	Unit Price	Amount
59	Travel Charge	57	13	1380	1		
59	Service Charge 11001 to 12000 ft	57	13	1120	1		
59	Twin Pumping	57	13	1150	1		
59	Handling Service Charge	57	13	1480	449		
59	Bulk Delivery / Return	57	13	1484	17		
59	SAM Unit	57	13	1497	1		
59	Mud Flush	57	13	3195	840		
59	VISWEEP	57	13	3180	840		
59	SanTail WB	57	13	3124	430		
59	CFL-4	57	13	3133	326		
59	CFR-2	57	13	3161	163		
59	CR-4	57	13	3125	131		
59	SMS	57	13	3104	163		
59	LWA	57	13	3103	163		
59	EnviroBag	57	13	1492	1		
59	DF-3, Anti-foamer	57	13	3262	4		
59	Environmental Surcharge	-	13	1493	1		
59	Fuel Surcharge	-	13	2992	3		
59	Sugar	-	13	2999	100		
59	Add. Loc. Time (Twin) - Operating	-	13	1395	4		
59	Bulk Standby Time	-	13	1398	3		

* Not Subject to Discount

Field Estimate

FOR OFFICE USE ONLY

<input checked="" type="checkbox"/> Cementing - Prim	<input type="checkbox"/> Cementing -Rem.	<input type="checkbox"/> Code 9000
<input type="checkbox"/> Coiled Tubing	<input type="checkbox"/> Nitrogen	
<input type="checkbox"/> Acidization	<input type="checkbox"/> Fracturing	
<input type="checkbox"/> Industrial Services	<input type="checkbox"/> MPCT	
<input type="checkbox"/> Other		

This Space Reserved for Client Coding Stamp

Field	Sales 1	Sales 2
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Comments

Rig not ready when Sanjel arrived. Job pumped according to prog, Customer's and Weatherford's request.

This service ticket is not an invoice; pricing is subject to review and change without notice. This signature confirms that I have read and comply with the terms and conditions page of this service ticket.

[Handwritten Signature]

Terms & Conditions

1. **Agreement for Services.** Sanjel (USA) Inc. ("Sanjel") and the customer for whom Sanjel is providing the Services ("Customer"), (collectively, the "Parties"), expressly understand and agree that the terms and conditions in this agreement (the "Agreement") shall govern and control the provision of all services provided by Sanjel to Customer, including any services, materials or consumables provided or performed by Sanjel under written or oral requests for services or job orders ("Services").
2. **Entire Agreement and Conflict.** Subject to any Master Service Agreement ("MSA") in effect between the Parties, this Agreement constitutes the entire agreement of the Parties with respect to the subject matter herein. This Agreement shall not be superseded or replaced by any other agreement (including any terms and conditions which may be found in any purchase order, service order, or invoice produced by Customer or found in Sanjel's Price Book) unless specifically agreed to by the Parties in writing. If there is any conflict between the terms of this Agreement and the MSA, the provisions of the MSA shall prevail.
3. **Results of Services.** The Customer acknowledges and agrees that the Services are of such a nature that no results of the work performed can be guaranteed and Sanjel specifically does not make any representations, warranties or guarantees with respect to the results of the Services.
4. **Price and Price Changes.** Customer shall pay for the Services at the rates set out in Sanjel's current Price Book ("Price Book"). All rates and prices quoted in the Price Book are subject to change without prior notice to the Customer, including the imposition of fuel or other surcharges related to increases in commodity prices. Special jobs undertaken by Sanjel outside of the scope of the Services shall not be subject to Price Book or any previously agreed upon discounts.
5. **Taxes.** All prices are exclusive of any municipal, state, federal, and/or special taxes or levies imposed on the sale of the Services. Customer shall be responsible for all taxes applicable to the provision of the Services.
6. **Additional Services Requests.** Services, equipment or materials not listed in the Price Book or a Sanjel proposal but purchased or rented by Sanjel at Customer's request shall be charged to Customer at actual cost plus twenty five percent (25%). Sanjel shall have no liability to Customer in respect of such services, equipment or materials.
7. **Payment Terms.** Payment terms are cash, net thirty (30) days. Interest shall be charged at eighteen percent (18%) per annum on all overdue accounts, and where necessary, all costs of collection of overdue accounts, including any legal fees and disbursements.
8. **Standby Charge.** In the event that Sanjel is unable to perform a job or provide requested Services to Customer due to circumstances beyond its control, including instances of force majeure, Sanjel retains the right to charge Customer seventy five percent (75%) of the applicable base charge, plus 100% of costs including, but not limited to, mileage, blending, material handling/hauling, materials and/or return delivery and restocking charges, and all location time in excess of the location time allowance.
9. **Warranties.** Sanjel warrants only that title to the product, supplies and materials, shall pass and vest in Customer, free and clear of all liens, claims and encumbrances of any nature, and that the same are free from defects in workmanship. There are no warranties, express or implied, of merchantability, use, and fitness or otherwise which extend beyond those expressly stated herein.
10. **Proprietary Rights.** Customer acknowledges that any intellectual property which is used by Sanjel for the provision of Services, or is created or developed by Sanjel in the course of performing the Services, is and shall remain the property of and is owned by Sanjel at all times.
11. **Confidentiality.** The Parties agree to take all reasonable precautions to protect the confidential information of the other from unauthorized use and disclosure and each Party shall use the confidential information of the other only for the purpose of conducting the Services.
12. **LIABILITY AND INDEMNITY. (A) SUBJECT TO SECTIONS 12(b), 13, 14 & 15 BELOW, CUSTOMER SHALL BE LIABLE TO SANJEL FOR ALL CLAIMS, DEMANDS, ACTIONS, CAUSES OF ACTION, DAMAGES, LOSSES, DEFICIENCIES, COSTS, LIABILITIES, EXPENSES (INCLUDING LEGAL FEES, ON A SOLICITOR-CLIENT BASIS ("CLAIMS")), THAT MAY BE MADE OR BROUGHT AGAINST SANJEL (EITHER DIRECTLY BY CUSTOMER, ITS AFFILIATES OR SUBSIDIARIES OR BY ANY THIRD PARTY) OR WHICH SANJEL MAY SUFFER OR INCUR AS A RESULT OF, ARISING OUT OF OR INCIDENT TO THIS AGREEMENT OR ANY SERVICES PROVIDED HEREUNDER, WHETHER SUCH CLAIMS BE FOUNDED IN CONTRACT, TORT OR ANY OTHER CAUSE OF ACTION WHATSOEVER, UNLESS CAUSED BY THE NEGLIGENCE OR WILLFUL MISCONDUCT OF SANJEL. (B) NOTWITHSTANDING SECTION 12(A), CUSTOMER SHALL AT ALL TIMES BE SOLELY LIABLE FOR ANY CLAIMS MADE OR BROUGHT AGAINST SANJEL (EITHER BY CUSTOMER, ITS AFFILIATES OR SUBSIDIARIES OR BY ANY THIRD PARTY) OR WHICH SANJEL MAY SUFFER OR INCUR AS A RESULT OF, ARISING OUT OF OR INCIDENT TO: WELL BLOWOUT OR ANY UNCONTROLLED WELL CONDITION, FIRE, CRATERING, REDRILL OR SIDETRACKING, SEEPAGE OR RESERVOIR DAMAGE, LOSS OR DAMAGE TO THE HOLE, POLLUTION AND CONTAMINATION (EXCEPT SUDDEN AND ACCIDENTAL POLLUTION ORIGINATING ABOVE THE SERVICE OF THE EARTH AND EMANATING FROM SANJEL'S EQUIPMENT WHILE SUCH EQUIPMENT IS IN SANJEL'S CARE, CUSTODY AND CONTROL); EVEN IF CAUSED IN WHOLE OR IN PART BY THE SOLE, JOINT OR CONCURRENT NEGLIGENCE, GROSS NEGLIGENCE, WILLFUL MISCONDUCT OR OTHER FAULT (ACTIVE OR PASSIVE) OF SANJEL OR ANY OTHER PERSON. (C) CUSTOMER SHALL PROTECT, DEFEND, INDEMNIFY AND SAVE HARMLESS SANJEL, ITS AFFILIATES AND SUBSIDIARIES, FROM AND AGAINST ALL OF THE CLAIMS DESCRIBED IN SECTIONS 12(A) AND 12(B) ABOVE.**
13. **LIABILITY CAP. NOTWITHSTANDING SECTION 12 OR ANY OTHER TERM HEREIN TO THE CONTRARY, SANJEL'S MAXIMUM LIABILITY TO CUSTOMER ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT AND ANY SERVICES PROVIDED HEREUNDER IS LIMITED TO THE COST OF THE PRODUCTS OR SERVICES SUPPLIED FOR THE PARTICULAR JOB IN WHICH SUCH DAMAGES AROSE.**
14. **Consequential damages.** Notwithstanding section 12 or any other term herein to the contrary, neither Party shall be liable to the other for business interruptions, punitive, indirect or consequential damages relating thereto (including but not limited to any loss of profit, loss of expected revenue, loss of hydrocarbons or loss of rig time).
15. **Equipment and Materials.** Customer shall be liable to Sanjel for any and all loss or damage to Sanjel equipment, tools or materials: (i) while located down hole; and (ii) while being transported to or from the work-site by Customer at any time or while such equipment, tools or materials are being loaded onto or attached to any transportation unit or vehicle furnished by or arranged for by Customer. In the event any Sanjel equipment is lost, damaged or destroyed during the provision of Service, Customer shall use reasonable efforts to diligently recover or repair said equipment, and in the event recovery or repair are not possible, Customer agrees to reimburse Sanjel for the lost, damaged or destroyed equipment at actual replacement cost value plus twenty-five percent (25%).
16. **Disposal of Chemicals.** Customer shall arrange for and be responsible for the disposal of any used chemicals, hazardous material(s), including but not limited to, any waste produced or accumulated during the provision of Services.
17. **Waiver.** Failure to enforce any or all of the above terms and conditions shall not relieve the Parties of their rights and obligations hereunder or constitute a waiver thereof or preclude subsequent enforcement of same.
18. **Amendments.** This Agreement may only be amended by a written agreement between the Parties signed by a duly authorized representative of each Party.
19. **Governing Law.** The Parties agree that the laws of the State of Colorado shall govern this Agreement, without the application of choice of law rules. The parties voluntarily submit to the jurisdiction and venue of the federal or state courts (as applicable) of the State of Colorado for the adjudication of all disputes under this Agreement.



**Pumping
Service Report**

9191882

Client Name Extraction Oil	Well Name Rubyanna 13NB - 31W	Job Date May 06, 2014	Call Sheet 1041775
Client Representative Brandon Patch	Location Sec 13:T6N:R67W	Job Type Liner Casing	Rig H&P Drilling Inc. 319

Well Profile

Well Type:	Oil
Maximum Treating Pressure (psi):	---
Predicted Bottom Hole Static Temperature (°F):	200.00 @ --
Bottom Hole Circulating Temperature (°F):	160.00 @ --
Bottom Hole Logged Temperature (°F):	--- @ --

Open Hole	Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
	13.500	30.000	0.000	760.000	--	--
	8.750	25.000	760.000	7,425.000	--	--

Casing	Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
	9.625	36.000	J-55	2,020.0	3,520.0	58.75	8.921	10.625	0.0	760.0
	7.000	26.000	P-110	6,210.0	9,520.0	284.09	6.276	7.656	0.0	7,425.0
	4.500	11.600	N-80	6,350.0	7,780.0	81.54	4.000	5.000	6,466.0	11,712.0

Drill Pipe	Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
	4.000	14.000	G	15,900.000	69.510	3.340	5.250	0.000	6,414.000

Products

Stage 1
From Depth (ft): 6466
To Depth (ft): 11712
Acids/Blends/Fluids :
Tail: 430 Sacks of SanTail WB, Density = 13.5 lb/gal, Volume Pumped = 97 (bbl)
Water Temperature(°F) = 76 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 86
+ 1 % of CFL-4,
+ 0.5 % of CFR-2,
+ 0.4 % of CR-4,
+ 0.5 % of SMS,
+ 0.5 % of LWA

Fluid & Cement Data

Expected Cement Top:	Depth (ft): 6466				
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	May 03, 2014 08:38



**Pumping
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Attachment & Tools

Down Hole Tools		
<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Guide/Float Shoe	11,712.000	Third Party
Liner Hanger	6,466.000	Third Party
Float Collar	11,899.000	Third Party

Tubular Plugs		
<u>Tubular Plug Type</u>	<u>Size (in)</u>	<u>Supplier</u>
Rubber Top	4.500	Third Party

Units & Personnel

Units							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
449093	TRAILER	Utility Trailer	201173	PICKUP	1 Ton	05/06/2014 15:56	05/07/2014 00:30
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	05/06/2014 15:56	05/07/2014 00:30
446167	TRAILER	Bulker	746167	TRACTOR	Tandem - Tractor	05/06/2014 15:56	05/07/2014 00:30
749100	TRACTOR	Tandem - Tractor				05/06/2014 15:56	05/07/2014 00:30

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Joyner, Barlen	05/06/2014 15:56	05/07/2014 00:30		
Ripka, Robert	05/06/2014 15:56	05/07/2014 00:30		
Barden, Sean	05/06/2014 15:56	05/07/2014 00:30		
	05/06/2014 15:56	05/07/2014 00:30		
Coronado, Sebastian	05/06/2014 15:56	05/07/2014 00:30		
Meisner, Jeremy	05/06/2014 15:56	05/07/2014 00:30		

Treatment Reports & Remarks



**Pumping
Service Report**

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Treatment Report

Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	May 06,2014 15:56	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	May 06,2014 16:05	Tailgate Meeting	---	0.00	0.0	0.0	0.00	0.00
3	May 06,2014 16:10	Rig In	---	0.00	0.0	0.0	0.00	0.00
4	May 06,2014 17:00	Wait On Instructions	---	0.00	0.0	0.0	0.00	0.00
5	May 06,2014 19:20	Safety Meeting	---	0.00	0.0	0.0	0.00	0.00
6	May 06,2014 19:40	Sign-off on Safety	---	0.00	0.0	0.0	0.00	0.00
7	May 06,2014 20:35	Pressure Test Lines	Water	0.00	7,112.0	0.0	0.00	0.00
8	May 06,2014 20:40	Pump Preflush	Water	5.00	561.0	0.0	20.00	20.00
		Remarks: Mud Flush spacer						
9	May 06,2014 20:45	Pump Preflush	Water	5.00	1,300.0	0.0	20.00	40.00
		Remarks: Viscweep spacer						
10	May 06,2014 20:50	Mix Cement	SanTail WB	5.00	1,500.0	0.0	100.00	140.00
		Remarks: Batch up, weigh and pump 430 sx of SanTail + adds @ 13.5ppg						
11	May 06,2014 21:21	Drop Plug	---	0.00	0.0	0.0	0.00	140.00
12	May 06,2014 21:25	Pump Displacement	Water	5.00	240.0	0.0	47.00	187.00
13	May 06,2014 21:37	Decrease Pump Rate	Water	2.50	560.0	0.0	12.00	199.00
14	May 06,2014 21:37	Increase Pump Rate	Water	5.00	1,600.0	0.0	60.00	259.00
15	May 06,2014 21:53	Decrease Pump Rate	Water	2.50	900.0	0.0	10.00	269.00
16	May 06,2014 21:59	Pumping Pressure Before Bump	Water	2.50	921.0	0.0	0.00	269.00
17	May 06,2014 21:37	Bump Plug	Water	0.00	1,681.0	0.0	129.00	269.00
18	May 06,2014 22:00	Pump	Water	1.20	881.0	0.0	4.00	273.00
		Remarks: Over displace per request						
19	May 06,2014 22:05	Wait On Instructions	---	0.00	0.0	0.0	0.00	0.00
20	May 06,2014 22:42	Pump	Water	5.00	1,171.0	0.0	165.00	0.00
		Remarks: Circulate out 7"						
21	May 06,2014 23:13	Stop	---	0.00	0.0	0.0	0.00	0.00
22	May 06,2014 23:20	Rig Out	---	0.00	0.0	0.0	0.00	0.00
23	May 06,2014 00:20	Job Complete	---	0.00	0.0	0.0	0.00	0.00
24	May 06,2014 00:25	Pre-Departure Meeting	---	0.00	0.0	0.0	0.00	0.00
25	May 06,2014 00:30	Leave Location	---	0.00	0.0	0.0	0.00	0.00

Did Float Hold: Yes
 Fluid Returns : Yes
 Type : Cement
 Volume (bbl) : 5
 Temperature (°F) : 98
 FDAS Functioning Correctly : Yes
 Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number
 46054
 46055



Comments To Service Report

Rig not ready when Sanjel arrived. Job pumped according to prog, Customer's and Weatherford's request.